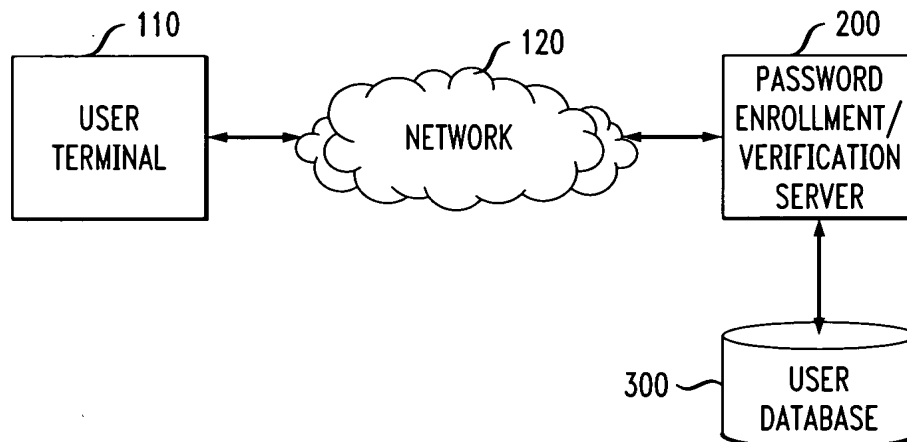


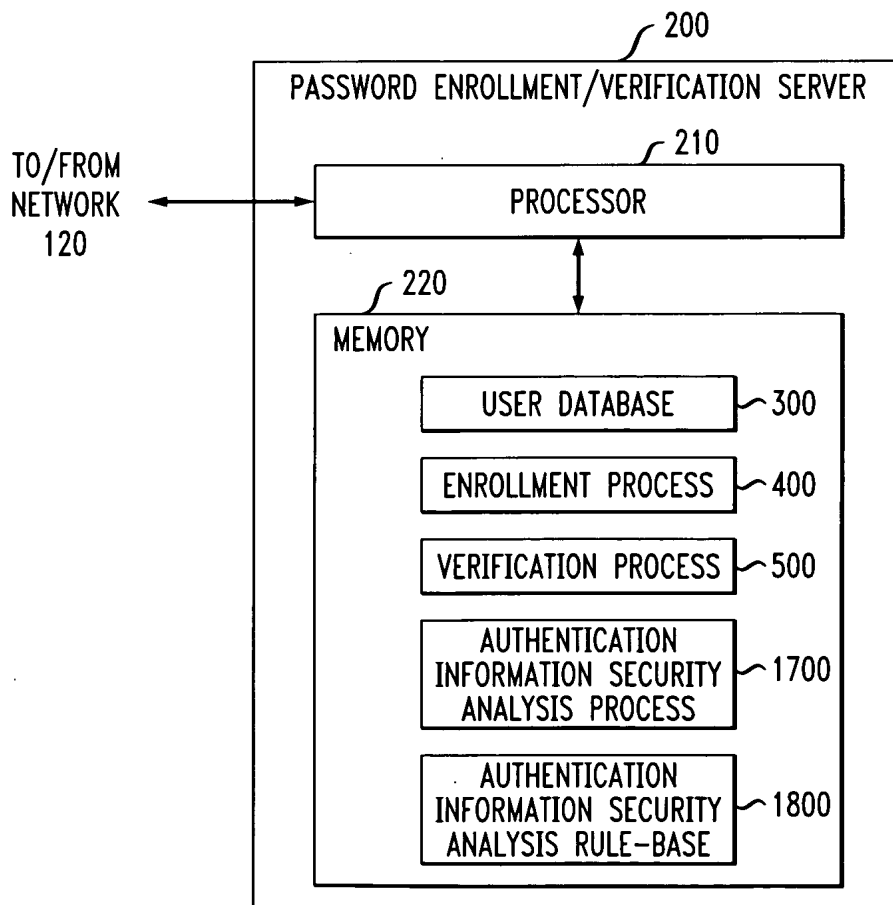


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*FIG. 1*



*FIG. 2*

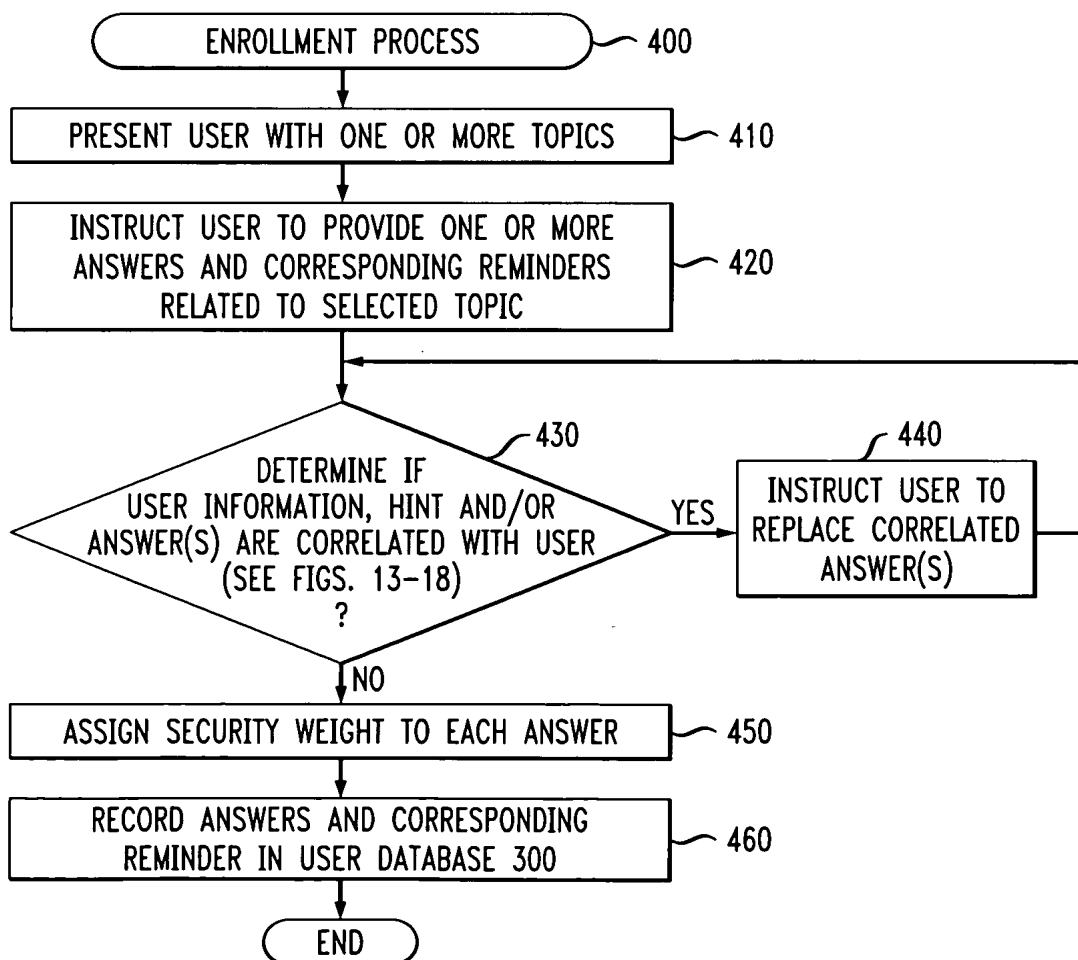


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*FIG. 3*

USER DATABASE - 300

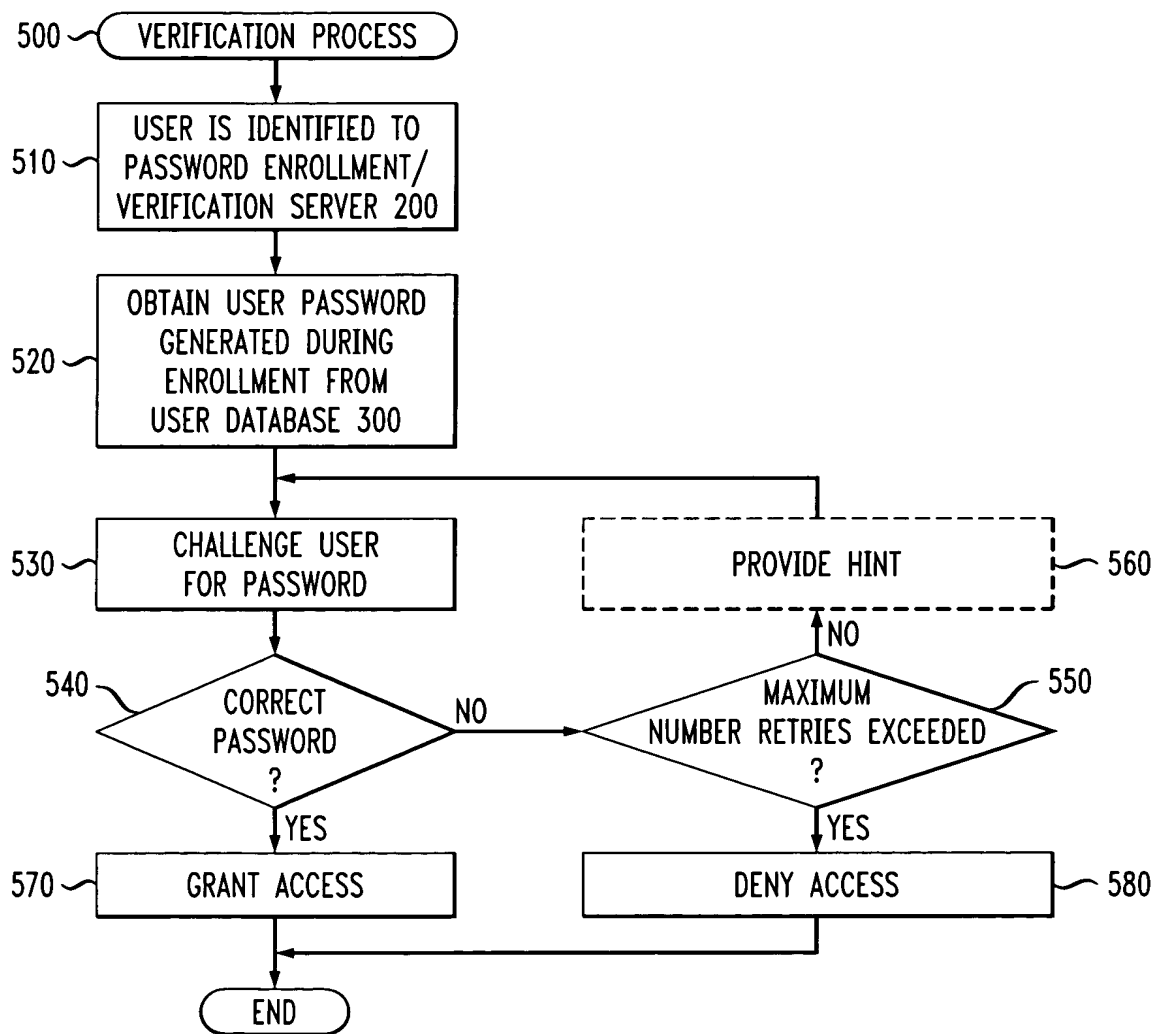
330 USER NAME	340 PASSWORD (ANSWER)	350 REINFORCEMENT (HINT)
305 JOHN SMITH	718-555-1212	MANDY'S PHONE NUMBER
310 ⋮	⋮	⋮
315 JON BENTLEY	PEOPLE: FATHER, MOTHER, SISTER, BROTHER CAR: BLUE 1965 MUSTANG TRIP: FROM HOME TO FRESNO VIA HIGHWAY	SANDY KOUFAX'S PERFECT GAME
320 JILL DOE	12/12/68	FIDO'S OWNER'S BIRTHDAY

*FIG. 4*



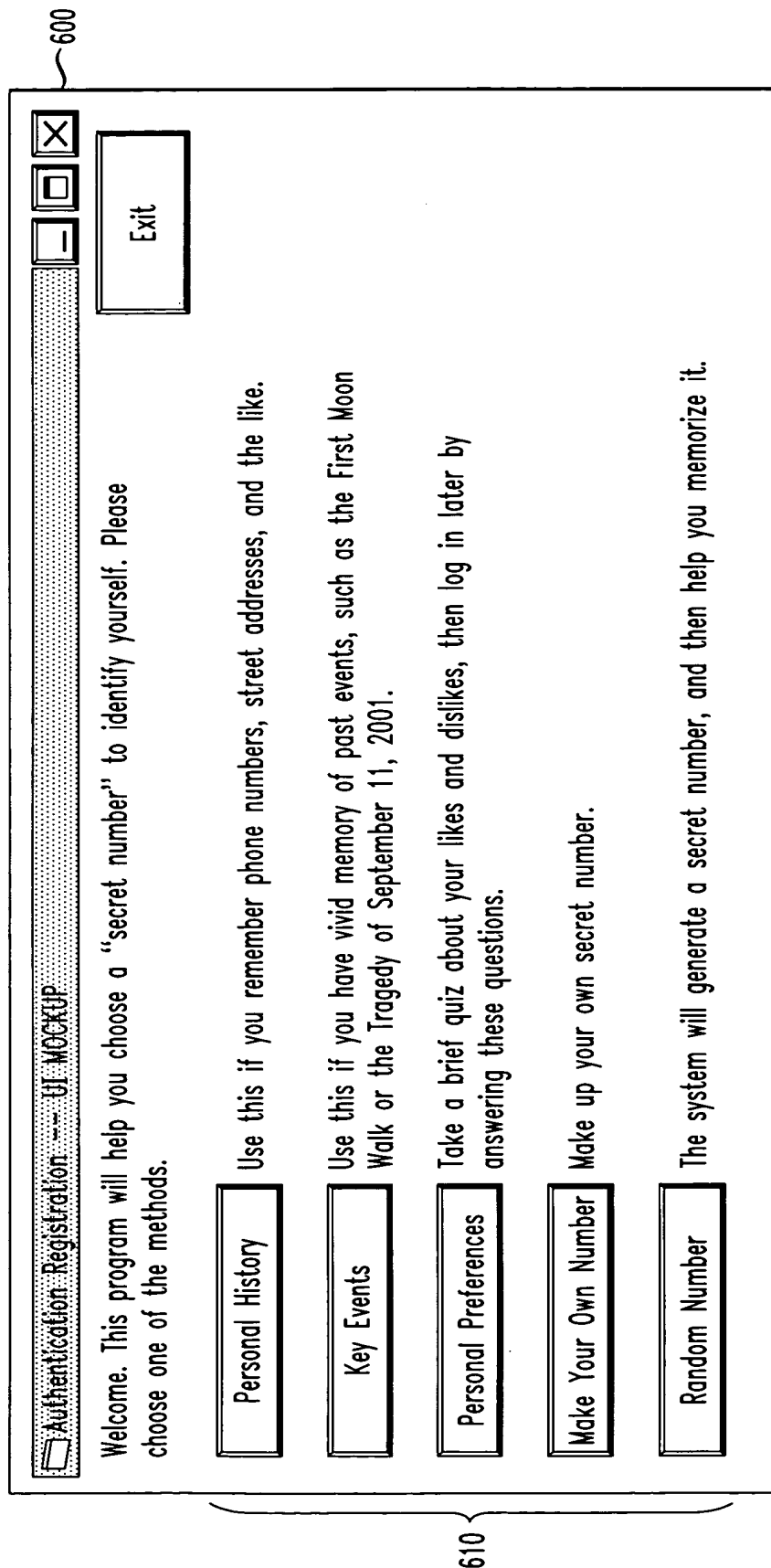
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FIG. 5



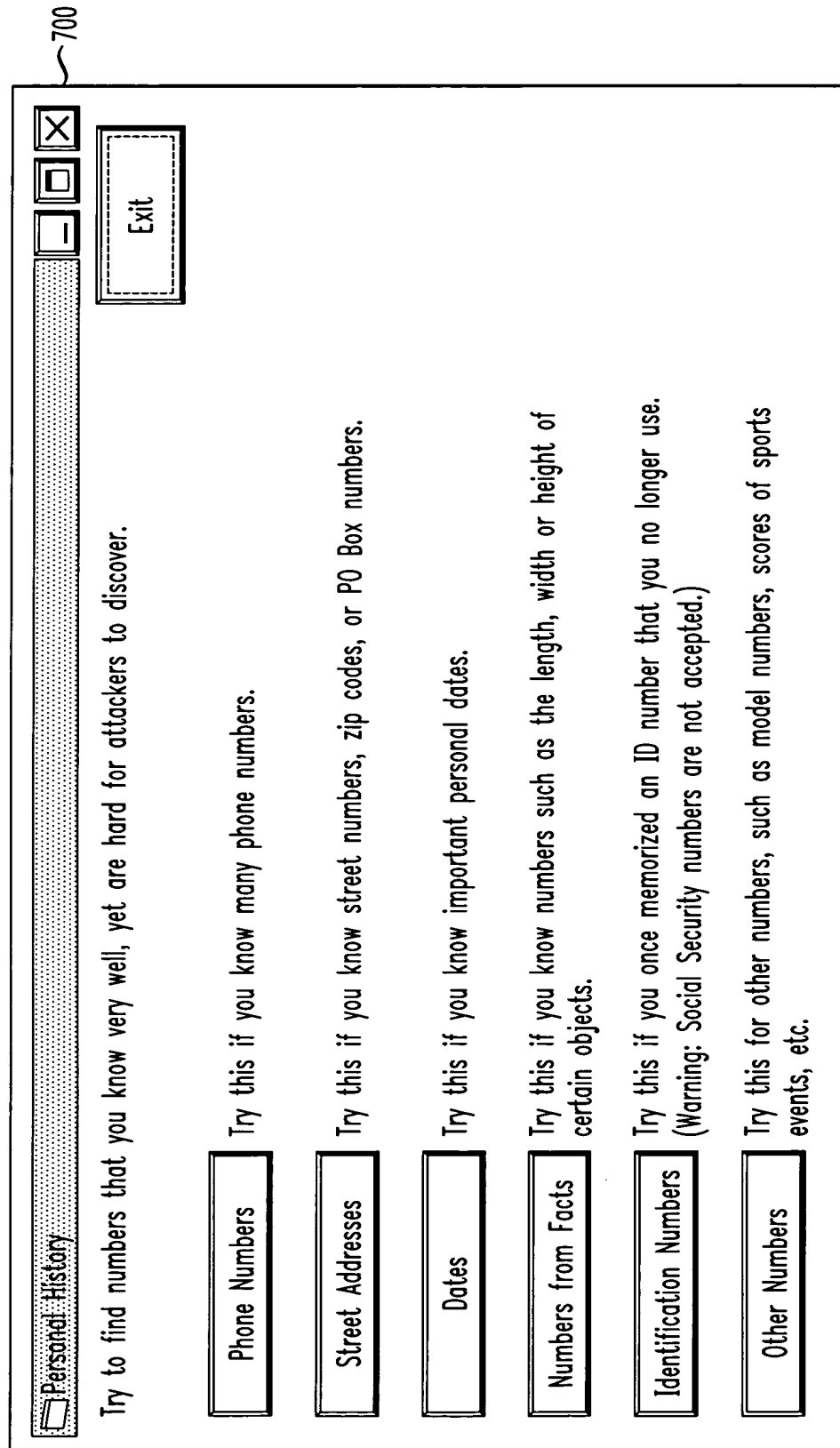
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FIG. 6



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FIG. 7



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FIG. 8

The screenshot shows a software window titled "Phone Numbers" with a standard Windows-style title bar containing minimize, maximize, and close buttons. An "Exit" button is located in the top right corner of the window. The main content area contains the following text:

Try for a phone number that you know well but is hard to guess. Bad candidates that are easy to discover include

- your home phone number
- the phone number of a family member with your last name

Good candidates include

- your childhood phone number
- phone numbers of old friends

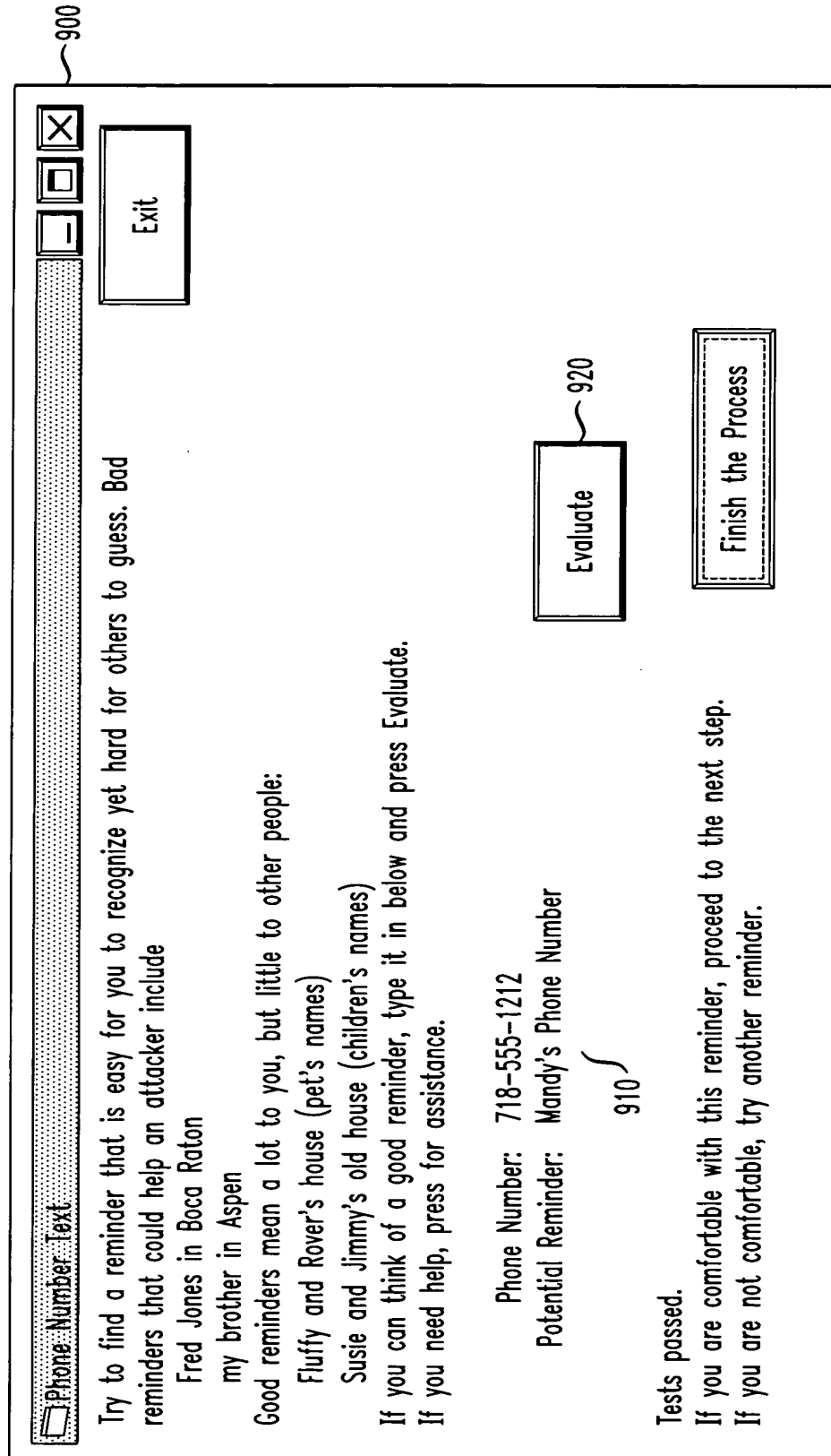
Please type a candidate phone number below.

Below the text, there is a text input field containing the number "732-555-1212". To the right of the input field is a label "810". To the right of the input field is an "Evaluate" button. To the right of the "Evaluate" button is a label "820".

800

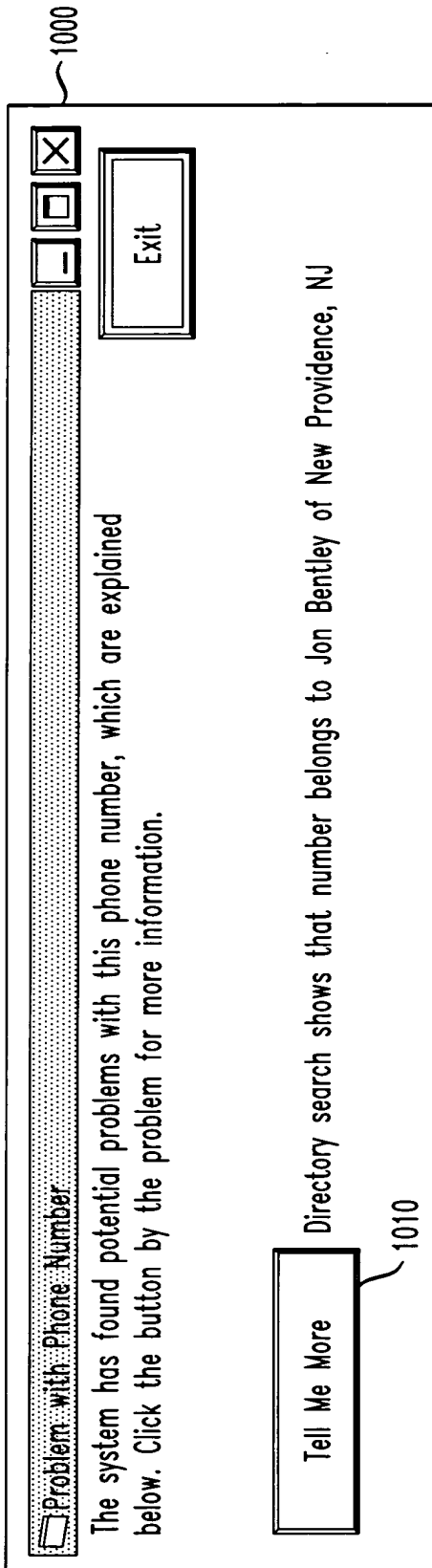
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FIG. 9



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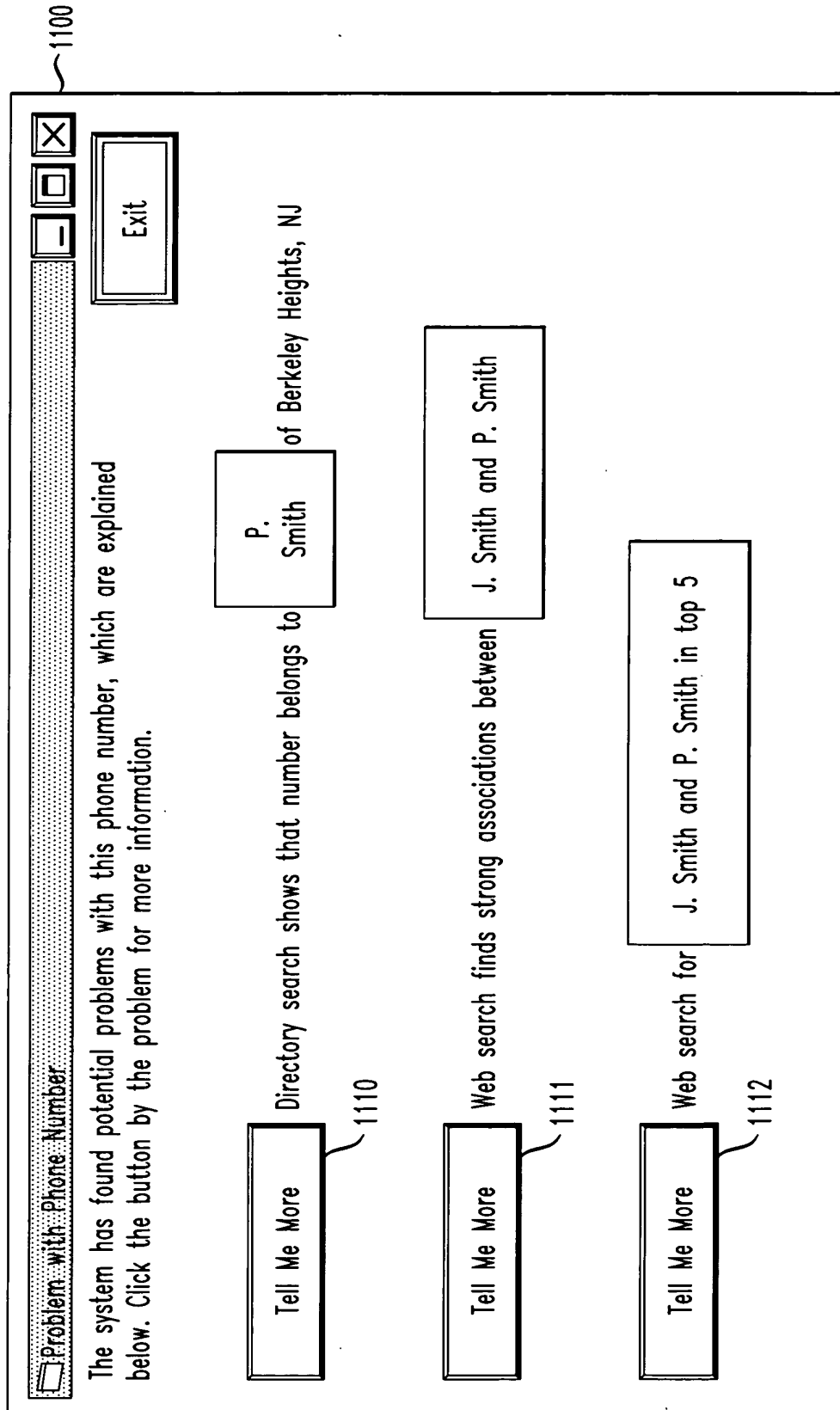
FIG. 10





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FIG. 11



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FIG. 12

1200

Registration Completion

Secret Number: 718-555-1212 ~ 1010  
Reminder: Mandy's phone number ~ 1020

Many people find it easier to remember their secrets if they receive periodic reminders.  
Please indicate below what, if any, reminders you wish to receive.

E-Mail Reminders

E-Mail Address: user@mail.adr

Frequency of Reminders

☐ Weekly  
☒ Monthly  
☐ None

☐ Check here to receive the secret number along with the reminder.

1030

Telephone Reminders

Telephone Number:

Frequency of Reminders

☐ Weekly  
☐ Monthly  
☒ None

1040

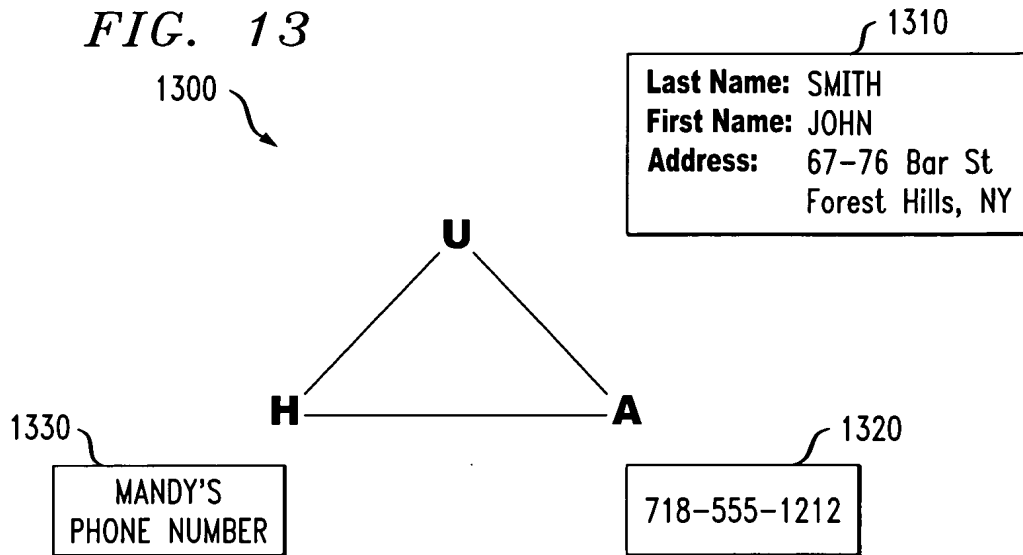
Telephone reminders do not give your secret numbers.

Done

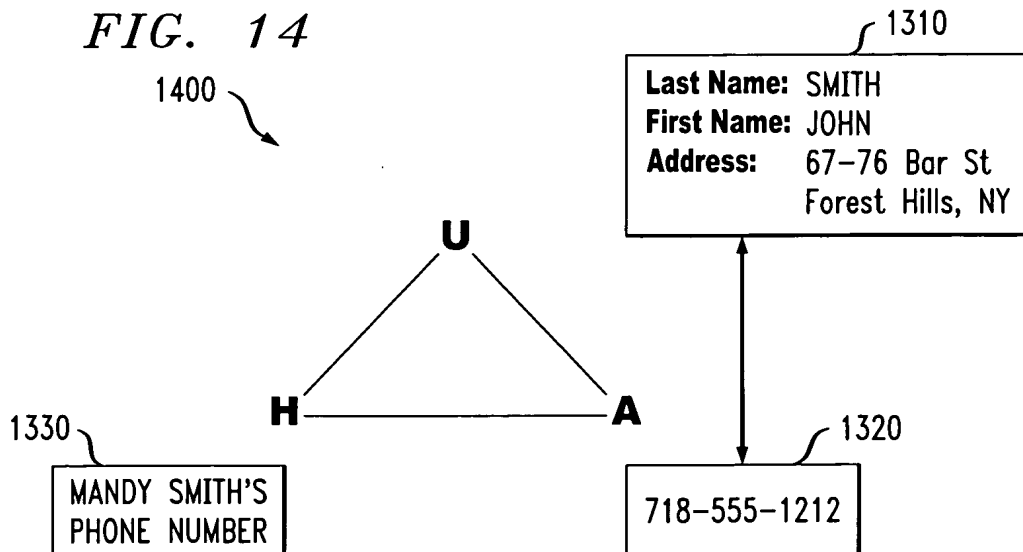
Exit

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*FIG. 13*



*FIG. 14*



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FIG. 15

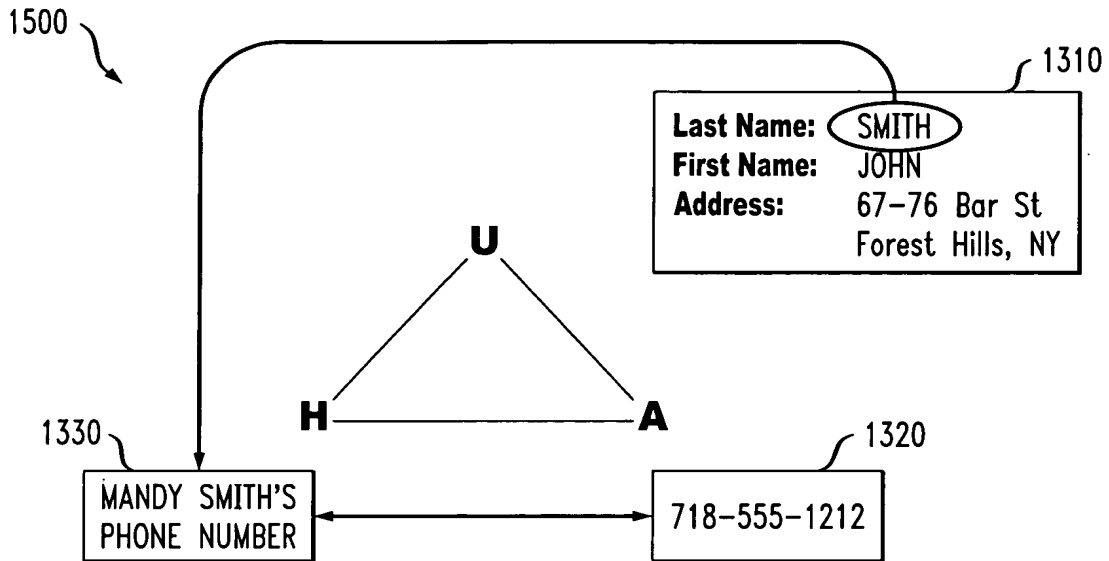
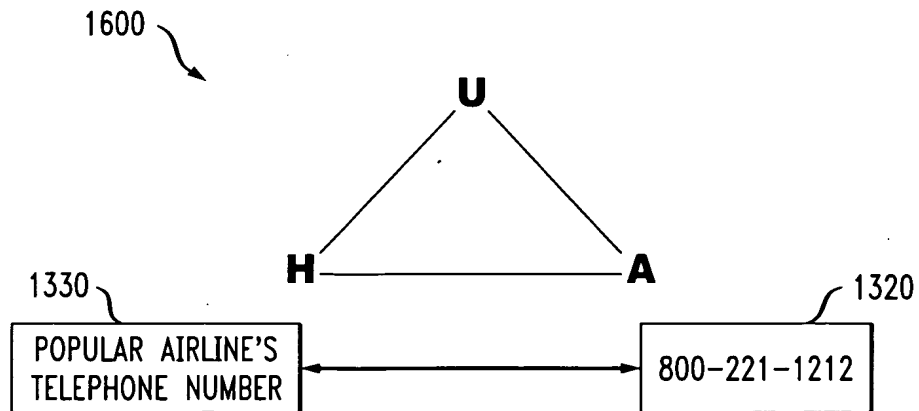


FIG. 16



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FIG. 17

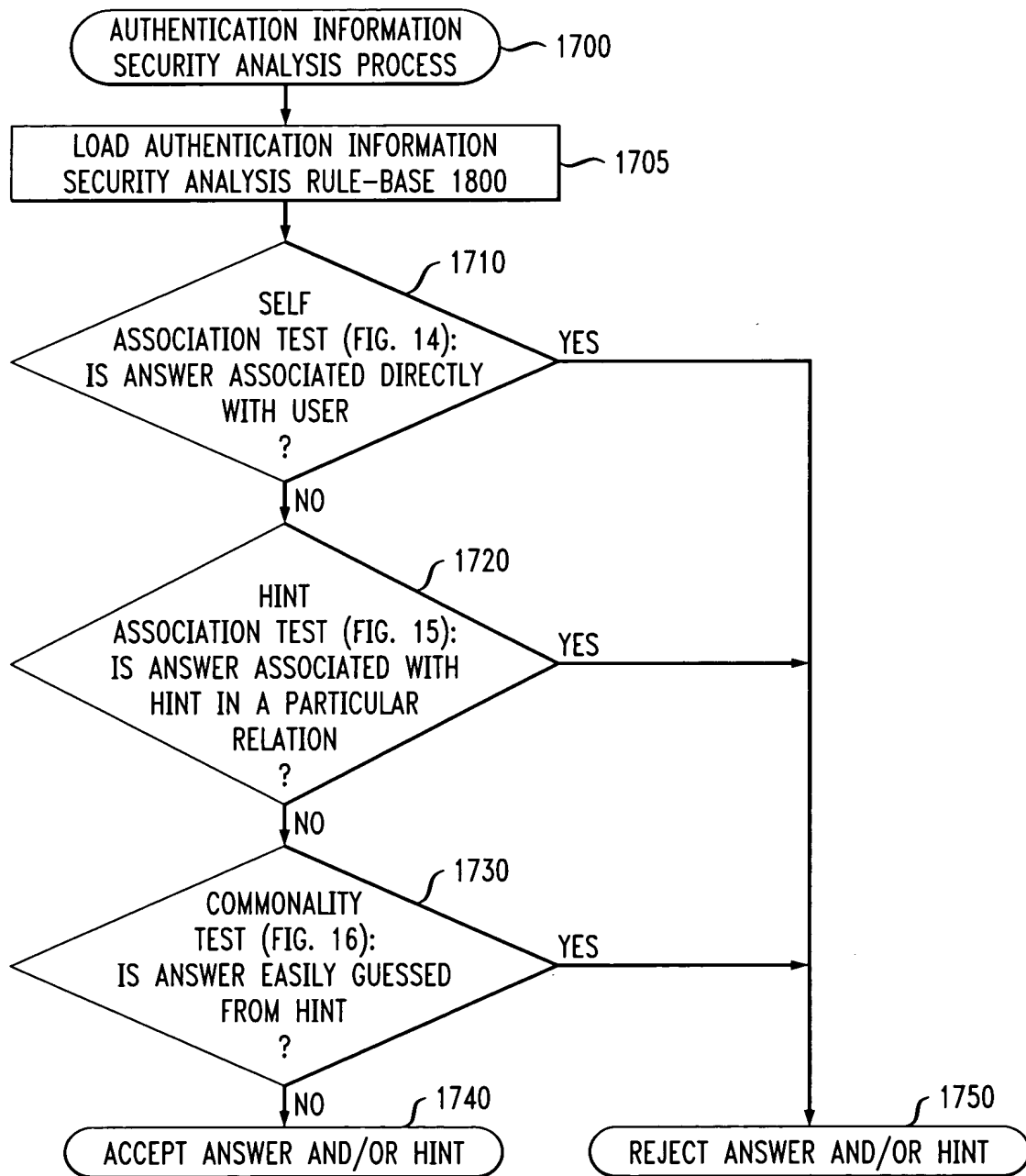


FIG. 18 AUTHENTICATION INFORMATION SECURITY ANALYSIS RULE-BASE -- 1800

1830 RULE NAME	1840 RULE TYPE	1850 RULE CONDITION(S)
1810 USER TELEPHONE NUMBER	SELF ASSOCIATION	IS USER OWNER OF PROPOSED TELEPHONE NUMBER?
1811 WORD ASSOCIATION	SELF ASSOCIATION	IS USER STRONGLY ASSOCIATED WITH PROPOSED WORD?
1812 HINT RELATED TO USER	HINT ASSOCIATION	IS PERSON ASSOCIATED WITH PROPOSED HINT IN A PARTICULAR RELATION WITH USER?
:	:	:
1820 COMMON TELEPHONE NUMBER	COMMONALITY	IS POPULAR BUSINESS ENTITY OWNER OF PROPOSED TELEPHONE NUMBER?

FIG. 19 1900

	<NONE>	COMPILED	PEARLS	IMAGE
AUTHOR A	13400	8560 64%	174 1%	921 7%
AUTHOR B	10700	480 4%	4670 44%	692 6%
AUTHOR C	2110	34 2%	3 0%	915 43%